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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,415	12/08/2003	Bruce A. Willins	6000.002800/1618	2465

23720 7590 08/15/2006

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HOUSTON, TX 77042

EXAMINER

YUN, EUGENE

ART UNIT	PAPER NUMBER
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2618

DATE MAILED: 08/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/730,415	WILLINS ET AL.	
	Examiner	Art Unit	
	Eugene Yun	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 4 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Lundh et al. (US 6,373,834).

Referring to Claim 1, Lundh teaches a method, comprising:

Receiving, using a wireless controller 20 (fig. 1), data transmitted from one or more wireless transmitters 22-1-22-n (fig. 1) adapted to communicate with a plurality of mobile terminals 24 (fig. 1);

Receiving descriptive information associated with at least a portion of the received data from the one or more wireless transmitters (see col. 7, lines 31-44); and

Providing the received data and the associated descriptive information to a port interface associated with the wireless controller (see col. 8, lines 14-30).

Referring to Claim 2, Lundh also teaches encapsulating descriptive information with the data in a packet and providing the encapsulated packet to the port interface (see col. 9, lines 42-53).

Referring to Claim 3, Lundh also teaches providing the data and the associated descriptive information to the port interface for at least one of storage in a remote device and further processing (see col. 9, lines 33-41).

Referring to Claim 4, Lundh also teaches receiving the descriptive information encapsulated with the data in a packet, wherein the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index (see col. 1, lines 53-64).

Referring to Claim 5, Lundh also teaches receiving a request from a remote unit through the port and further causing the wireless controller to perform at least one task responsive to the received request (see col. 7, lines 31-44).

Referring to Claim 6, Lundh also teaches a plurality of access ports 22-1-22-n (fig. 1), and wherein the wireless controller communicates with a first access port of the plurality of access ports over a first communication channel, and wherein, in response to receiving the request, the wireless controller communicates with the first access port over a channel different from the first channel (see col. 5, line 64 to col. 6, line 8).

Referring to Claim 7, Lundh teaches a wireless switch, comprising:

An interface 120' (fig. 3); and

A controller 20 (fig. 1) communicatively coupled to the interface, the controller adapted to:

Receive data transmitted from a plurality of access ports, wherein the data has associated descriptive information (see col. 7, lines 31-44); and

Provide at least a portion of the receive data and the associated descriptive

information to a port interface associated with the wireless switch (see col. 8, lines 14-30).

Referring to Claim 8, Lundh also teaches the controller adapted to provide the descriptive information with the data to the port interface (see col. 8, lines 14-30).

Referring to Claim 9, Lundh also teaches the controller adapted to provide at least a portion of the data and the associated descriptive information to the port interface for substantial real-time monitoring using the remote device (see col. 8, lines 14-30).

Referring to Claim 10, Lundh also teaches the controller further adapted to receive a request from a remote unit through the port interface and wherein the controller is adapted to cause the wireless switch to perform at least one task responsive to the received request (see col. 7, lines 31-44).

Referring to Claim 11, Lundh also teaches the controller responsive to commands received from a remote device (see col. 7, lines 31-44).

Referring to Claim 12, Lundh also teaches providing the data and the associated descriptive information to the port interface for at least one of storage in a remote device and further processing (see col. 9, lines 33-41).

Referring to Claim 13, Lundh also teaches receiving the descriptive information encapsulated with the data in a packet, wherein the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index

(see col. 1, lines 53-64).

Referring to Claim 14, Lundh teaches a system, comprising:

A plurality of mobile terminals 24 (fig. 1);

A wireless switch adapted to:

Receive data transmitted from a plurality of access ports, wherein the data has associated descriptive information (see col. 7, lines 31-44); and

Provide at least a portion of the receive data and the associated descriptive information to a port interface associated with the wireless switch (see col. 8, lines 14-30).

Referring to Claim 15, Lundh also teaches at least one access port adapted to receive the data from the mobile terminals and further adapted to transmit the data to the wireless switch (see col. 7, lines 31-44).

Referring to Claim 16, Lundh also teaches the wireless switch adapted to receive the data and the descriptive information associated with the data (see col. 8, lines 14-30).

Referring to Claim 17, Lundh also teaches the wireless switch providing an encapsulated packet including the data and the associated descriptive information (see col. 9, lines 42-53).

Referring to Claim 18, Lundh also teaches the wireless switch adapted to receive commands from a remote device and perform at least one task responsive to the received commands (see col. 7, lines 31-44).

Referring to Claim 19, Lundh also teaches the descriptive information

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comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index (see col. 1, lines 53-64).

Referring to Claim 20, Lundh also teaches a remote device that is adapted to communicate with the wireless switch via the port interface, wherein the remote device is at least one of a wireless sniffer, performance monitor, and wireless intrusion detection server (see col. 1, lines 53-64).

Referring to Claim 21, Lundh teaches an apparatus comprising:

Means for receiving, using a wireless controller, data transmitted from a plurality of access ports, wherein the data has associated descriptive information (see col. 7, lines 31-44); and

Means for providing at least a portion of the received data and the associated descriptive information to a port interface associated with the wireless controller (see col. 8, lines 14-30).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eugene Yun whose telephone number is (571) 272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571)272-4177. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Eugene Yun
Examiner
Art Unit 2618

EY



Matthew D. Anderson
Supervisory Patent Examiner